FILEID**POSBE

```
PPPPPPPP      000000      SSSSSSSS   BBBBBBBB   EEEEEEEEEE
PPPPPPPP      000000      SSSSSSSS   BBBBBBBB   EEEEEEEEEE
PP      PP   00    00   SS          BB      BB  EE
PP      PP   00    00   SS          BB      BB  EE
PP      PP   00    00   SS          BB      BB  EE
PPPPPPPP    00    00      SSSSSS    BBBBBBBB   EEEEEEE
PPPPPPPP    00    00      SSSSSS    BBBBBBBB   EEEEEEE
PP          00    00          SS   BB      BB  EE
PP          00    00          SS   BB      BB  EE      ....
PP          00    00          SS   BB      BB  EE      ....
PP           000000     SSSSSSSS   BBBBBBBB   EEEEEEEEEE  ....
PP           000000     SSSSSSSS   BBBBBBBB   EEEEEEEEEE  ....


LL          IIIIII      SSSSSSSS
LL          IIIIII      SSSSSSSS
LL            II      SS
LL            II      SS
LL            II      SS
LL            II        SSSSSS
LL            II        SSSSSS
LL            II              SS
LL            II              SS
LL            II              SS
LL            II              SS
LLLLLLLLLL   IIIIII    SSSSSSSS
LLLLLLLLLL   IIIIII    SSSSSSSS
```

POSBE

L 3
16-Sep-1984 02:28:38   VAX-11 Bliss-32 V4.0-742   Page 1
14-Sep-1984 12:46:46   DISK$VMSMASTER:[MTAACP.SRC]POSBE.B32;1 (1)

```
   1    0001  0 MODULE POSBE (LANGUAGE (BLISS32),
   2    0002  0               IDENT = 'V04-000',
   3    0003  0               ) =
   4    0004  1 BEGIN
   5    0005  1
   6    0006  1 !**********************************************************************
   7    0007  1 !*                                                                    *
   8    0008  1 !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                          *
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  24    0024  1 !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.           *
  25    0025  1 !*                                                                    *
  26    0026  1 !*                                                                    *
  27    0027  1 !**********************************************************************
  28    0028  1
  29    0029  1 !++
  30    0030  1 !
  31    0031  1 ! FACILITY:  MTAACP
  32    0032  1 !
  33    0033  1 ! ABSTRACT:
  34    0034  1 !        This module positions to the beginning or to the end of the volume set
  35    0035  1 !
  36    0036  1 !
  37    0037  1 ! ENVIRONMENT:
  38    0038  1 !
  39    0039  1 !        VMS operating system, including privileged system services
  40    0040  1 !        and internal exec routines.
  41    0041  1 !
  42    0042  1 !--
  43    0043  1
  44    0044  1 !
  45    0045  1 !
  46    0046  1 ! AUTHOR:  D. H. GILLESPIE,      CREATION DATE:  14-JUL-1977
  47    0047  1 !
  48    0048  1 ! MODIFIED BY:
  49    0049  1 !
  50    0050  1 !        V02-004 REFORMAT        Maria del C. Nasr        30-Jun-1980
  51    0051  1 !
  52    0052  1 !
  53    0053  1 !**
  54    0054  1
  55    0055  1 LIBRARY 'SYS$LIBRARY:LIB.L32';
  56    0056  1
  57    0057  1 REQUIRE 'SRC$:MTADEF.B32';
```

POSBE
V04-000

M 3
16-Sep-1984 02:28:38   VAX-11 Bliss-32 V4.0-742   Page 2
14-Sep-1984 12:46:46   DISK$VMSMASTER:[MTAACP.SRC]POSBE.B32;1   (1)

;   58   0441 1

POSBE
V04-000

N 3
16-Sep-1984 02:28:38   VAX-11 Bliss-32 V4.0-742   Page 3
14-Sep-1984 12:46:46   DISK$VMSMASTER:[MTAACP.SRC]POSBE.B32;1 (2)

```
 60    0442  1  GLOBAL ROUTINE POSITION_TO_END : COMMON_CALL NOVALUE =
 61    0443  1
 62    0444  1  !++
 63    0445  1  !
 64    0446  1  ! FUNCTIONAL DESCRIPTION:
 65    0447  1  !     This routine positions the volume set at the end
 66    0448  1  !
 67    0449  1  ! CALLING SEQUENCE:
 68    0450  1  !     POSITION_TO_END()
 69    0451  1  !
 70    0452  1  ! INPUT PARAMETERS:
 71    0453  1  !     NONE
 72    0454  1  !
 73    0455  1  ! IMPLICIT INPUTS:
 74    0456  1  !     CURRENT_VCB - address of current vcb
 75    0457  1  !     CURRENT_WCB - address of current wcb
 76    0458  1  !
 77    0459  1  ! OUTPUT PARAMETERS:
 78    0460  1  !     NONE
 79    0461  1  !
 80    0462  1  ! IMPLICIT OUTPUTS:
 81    0463  1  !     NONE
 82    0464  1  !
 83    0465  1  ! ROUTINE VALUE:
 84    0466  1  !     NONE
 85    0467  1  !
 86    0468  1  ! SIDE EFFECTS:
 87    0469  1  !     The volume set is positioned to the end
 88    0470  1  !     If the dummy file is found, then the tape is positioned before the dummy file
 89    0471  1  !
 90    0472  1  ! USER ERRORS:
 91    0473  1  !     SS$_FILALRACC - can not postion to end if a file is already accessed
 92    0474  1  !
 93    0475  1  !--
 94    0476  1
 95    0477  2      BEGIN
 96    0478  2
 97    0479  2      EXTERNAL REGISTER
 98    0480  2          COMMON_REG;
 99    0481  2
100    0482  2      LOCAL
101    0483  2          MVL      : REF BBLOCK,              ! mag tape volume list
102    0484  2          LASTVOL;                            ! rvn of last volume
103    0485  2
104    0486  2      EXTERNAL
105    0487  2
106    0488  2          ! address of current window control block
107    0489  2          !
108    0490  2          CURRENT_WCB    : REF BBLOCK;
109    0491  2
110    0492  2      EXTERNAL ROUTINE
111    0493  2          CLOSE_FILE      : L$CLOSE_FILE,       ! close file
112    0494  2          GET_START_HDR   : L$GET_START_HDR,    ! get start headers
113    0495  2          SPACE_EOF       : COMMON_CALL;        ! space to end of file
114    0496  2
115    0497  2      ! this function is not legal if a file is open
116    0498  2      !
```

POSBE
V04-000

B 4
16-Sep-1984 02:28:38   VAX-11 Bliss-32 V4.0-742   Page 4
14-Sep-1984 12:46:46   DISK$VMSMASTER:[MTAACP.SRC]POSBE.B32;1   (2)

```
  117      0499  2
  118      0500  2        IF .CURRENT_WCB NEQU 0
  119      0501  2        THEN
  120      0502  2            ERR_EXIT(SS$_FILALRACC);
  121      0503  2
  122      0504  2        IF .CURRENT_VCB[VCB$V_PARTFILE]
  123      0505  2        THEN
  124      0506  2            CLOSE_FILE();
  125      0507  2
  126      0508  2        WHILE 1
  127      0509         DO
  128      0510             BEGIN
  129      0511
  130      0512  3        IF NOT GET_START_HDR()
  131      0513  3        THEN
  132      0514  3            EXITLOOP;
  133      0515
  134      0516  3        IF .CURRENT_VCB[VCB$W_CUR_NUM] EQLU 0
  135      0517  3        THEN
  136      0518  3            EXITLOOP;
  137      0519
  138      0520  3        SPACE_EOF();                          ! space to end of current file
  139      0521  2        END;
  140      0522  2
  141      0523  1    END;                                      ! end of routine
```

```
                                        .TITLE  POSBE
                                        .IDENT  \V04-000\

                                        .EXTRN  CURRENT_WCB, CLOSE_FILE
                                        .EXTRN  GET_START_HDR, SPACE_EOF

                                        .PSECT  $CODE$,NOWRT,2

                  0400 00000            .ENTRY  POSITION_TO_END, Save R10          ; 0442
            0000G CF D5 00002           TSTL    CURRENT_QCB                        ; 0500
               04 13 00006              BEQL    1$
         00A4 8F BF 00008               CHMU    #164                               ; 0502
      03   0B AB E9 0000C 1$:           BLBC    11(CURRENT_VCB), 2$                ; 0504
          0000G 30 00010                BSBW    CLOSE_FILE                         ; 0506
          0000G 30 00013 2$:            BSBW    GET_START_HDR                      ; 0512
      0C   50 E9 00016                  BLBC    R0, 3$
      24   AB B5 00019                  TSTW    36(CURRENT_VCB)                    ; 0516
         07 13 0001C                    BEQL    3$
   0000G CF      00 FB 0001E            CALLS   #0, SPACE_EOF                      ; 0520
               EE 11 00023              BRB     2$                                 ; 0508
               04 00025 3$:             RET                                        ; 0523
```

; Routine Size: 38 bytes,   Routine Base: $CODE$ + 0000

```
  142      0524  1
  143      0525  1 END
  144      0526  1
  145      0527  0 ELUDOM
```

POSBE
V04-000

C 4
16-Sep-1984 02:28:38   VAX-11 Bliss-32 V4.0-742   Page 5
14-Sep-1984 12:46:46   DISK$VMSMASTER:[MTAACP.SRC]POSBE.B32;1   (2)

```
                        PSECT SUMMARY

    Name                        Bytes                       Attributes

    $CODE$                          38  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)



                        Library Statistics

                                    -------- Symbols --------    Pages      Processing
    File                            Total   Loaded   Percent    Mapped     Time

    _$255$DUA28:[SYSLIB]LIB.L32;1   18619      7        0        1000       00:01.9




                        COMMAND QUALIFIERS

        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:POSBE/OBJ=OBJ$:POSBE MSRC$:POSBE/UPDATE=(ENH$:POSBE)

    146              0528  0
    Size:             38 code + 0 data bytes
    Run Time:          00:05.8
    Elapsed Time:      00:13.2
    Lines/CPU Min:     5471
    Lexemes/CPU-Min:  20176
    Memory Used:  70 pages
    Compilation Complete
```

WTATTR
LIS

POSFID
LIS

RESACC
LIS

RWVOL
LIS

MTHRTL

STRVIO
LIS

MTHRTL
MAP

POSBE
LIS

RDATTR
LIS

REWSPC
LIS

UVMTHRTL
MAP